28. Calculate: (FIG 9)

    a. L_{EQ}: _____

    b. L_T: _____

    c. X_{L1}: _____

    d. X_{LT}: _____

    e. X_{LEQ}: _____

    f. E_{LEQ}: _____

    g. E_{L1}: _____

10VAC
500Hz

L_1
5mh

L_2
30mh

L_3
10mh
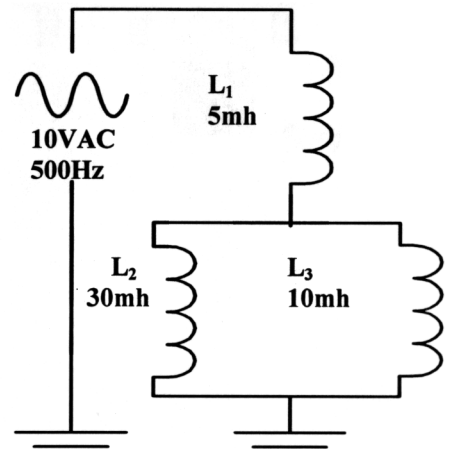
FIG 9

29. Calculate: (FIG 10)

    a. L_T: _____

    b. X_{LT}:

    c. R_T: _____

    d. Z: _____

    e. I_T: _____

    f. E_{R1}:

    g. E_{R2}:

    h. E_{L1}:

       E_{L2}:

R_1
1.3KΩ

R_1
5KΩ

L_1
1.3 mh

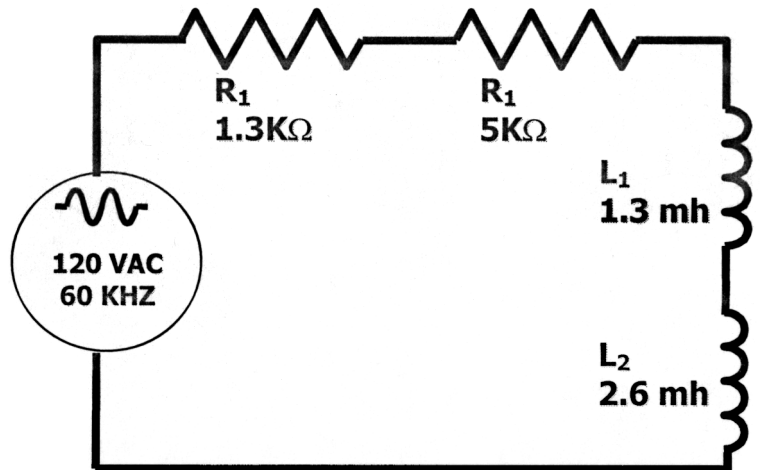L_2
2.6 mh

120 VAC
60 KHZ

FIG 10

30. What is the phase relationship between voltage and current across an inductor?

31. What are the 3 parts of a capacitor?

32. (T or F) It matters how you place an electrolytic capacitor in a circuit?

33. What is the formula for capacitive reactance?